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The Limit Definition And Taylor Expansion Give A Function  $f(x)$ , Its Derivative Is Defined As  $f'(x) = \lim_{h \rightarrow 0} \frac{f(x+h) - f(x)}{h}$ . For Some  $x = a$  And  $h > 0$ , Consider The Approximation  $f'(a) \approx \frac{f(a+h) - f(a)}{h}$ . The Above Formula Is Called A Forward Difference Formula. An Alternative Derivation Follows The Taylor Expansion Of  $f \dots$  Feb 1th, 2024

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